COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

[X] original
 [] divisional
 [] continuation
 [] continuation-in-part

CHRONALLY AND END

6537/CMI/TICL/LE

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

SHOWERHEAD ASSEMBLY FOR A PROCESSING CHAMBER

The specification of which:

	filed herewith;
[X]	was filed on January 15, 2002, under Serial No. 10/047,076, executed on even date herewith; or
[]	Express Mail No (Serial No. not yet known)
	and was amended on (if applicable)
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PRIORITY CLAIM (35 U.S.C. §119)

	[X]	No such a	pplications have been	filed.		
	[].	Such appl	ications have been file	d as follows:		
A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application any priority claims under 35 U.S.C. §119						to this application, and
	Count	ry/PCT	Application No	Date Filed	Pri	ority Claimed
		· E	*		<u>ו</u> ז	Yes [] No Yes [] No Yes [] No
В.		eign applica	ation(s), if any, filed r	nore than 12 mos. (6 m	os for design) prio	r to this
	Country Applica Filing d	tion No:	•			
c.	U.S. Pr	ovisional A	pplication filed with	n 12 months prior to th	his application	and the grade of the second se
	•		Serial No.	Fil	ing Date	
		, ,	and the same of th	*]
.,			PRIORIT	Y CLAIM (35 U.S.C. §	120)	£
PCT int subject manner disclose substant applicat	ernationa matter o provided informatial likelition to iss	al application f each of the fire the fire that is the fire that the fire that is the fire that it is the	on(s) designating the United States of this appointment of Title someterial to the example a reasonable Examin	United States of America olication is not disclose 35, United States Code nination of this applicator would consider it imbetween the filing date	a that is/are listed bed in that/those pri e, Section 112, I a ation (namely, info aportant in decidin	States application(s) or elow and, insofar as the or application(s) in the cknowledge the duty to rmation where there is g whether to allow the ation(s) and the national
	[X]		pplications have been ication have been filed			
	Serial N	<u>Io</u> . <u>F</u>	iling Date	Patented Pending	Status Abandoned	·
			POW	ER OF ATTORNEY		
			ing attorneys and/or a connected therewith:	gents to prosecute this	application and tran	nsact all business in the
		Peter J. Sg Lawrence Raymond James C. V	Edelman Kam-On Kwong	Registration Registration Registration Registration	n No. 33,217 n No. 25,610 n No. 25,226 n No. 37,165 n No. 35,412 n No. 29,301	

Registration No. 25,436

Robert W. Mulcahy

PATENT 6537/CMI/TICL/LE

Walter Benjamin Glenn

Joseph Bach

Registration No. 44,713

Registration No. 37,771

Registration No. 37,906

Raymond R. Moser, Jr.

Registration No. 34,682

Keith M. Tackett

Registration No. 32,008

Joseph Pagnotta

Registration No. 39,322

Send correspondence to:

Direct telephone calls to:

Patent Counsel

B. Todd Patterson

APPLIED MATERIALS, INC.

MOSER, PATTERSON & SHERIDAN, L.L.P.

Country of Citizenship: Malaysia

P. O. Box 450-A

Telephone No. (713) 623-4844

Santa Clara, CA 95052

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: MARK M. HYTROS

Same as above

Post Office Address:

Inventor's signature: Residence: Santa Clara, CA 95051 Post Office Address: Same as above Country of Citizenship: U.S.A. Full name of second inventor: TRUC T. TRAN Inventor's signature: Date: 45354 Rutherford Terrace Residence: Fremont, CA 94539 Post Office Address: Same as above Country of Citizenship: U.S.A. Full name of third inventor: HONGBEE TEOH Inventor's signature: Residence: 19384 Titus Court Saratoga, CA 95050

PATENT 6537/CMI/TICL/LE

Inventor's signature:		Date:
Residence:	1594 Country Club Drive Milipitas, CA 95035	
Post Office Address:	Same as above	Country of Citizenship: U.S.A.
The state of the s	Same as above	
Full name of fifth invent	or: AVGERINOS GELATOS	
Inventor's signature:		Date:
Residence:	2651 Eaton Avenue Redwood City, CA 94062	
Post Office Address:	Same as above	Country of Citizenship: U.S.A.
Full name of sixth invent	tor: SALVATOR P. UMOTOY	
Inventor's signature:		Date:
Residence:	2801 Wildflower Drive Antioch, CA 94509	
Post Office Address:	Same as above	Country of Citizenship: U.S.A.

Full name of fourth inventor: LAWRENCE CHUNG-LAI LEI

JUH 0 3 2002

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* . =	[X] No such	applications have been fi	led.		
	[] Such app	olications have been filed	as follows:		
Α.		CT application(s) filed w ms under 35 U.S.C. §119		or design) prior to	o this application, and
	Country/PCT	Application No	Date Filed	Prior	ity Claimed
					*
					Yes [] No Yes [] No
	et		<u>.</u>		Yes [] No
В.	All foreign appli	cation(s), if any, filed m	ore than 12 mos. (6 mos	s for design) prior	to this
	U.S. application	•	•	5 / t	
	- Aller	•			
	Country:	,			
	Application No: Filing date:				
	i ming date.	and the second s			y
C.	U.S. Provisional	Application filed within	12 months prior to this	s application .	
	1.	Serial No.	Filin	g Date	
	·				
		PRIORITY	CLAIM (35 U.S.C. §12	20).	•
			(0 0 3_	,	3
subject manner disclos substar applica	t matter of each of r provided by the f e information that ntial likelihood that ation to issue as a p	ion(s) designating the Ur the claims of this applies irst paragraph of Title 3 is material to the exam t a reasonable Examiner atent) which occurred be date of this application.	ication is not disclosed 5, United States Code, ination of this applicati would consider it imp	in that/those prio Section 112, I act on (namely, infor- ortant in deciding	r application(s) in the knowledge the duty to mation where there is whether to allow the
		applications have been fi plication have been filed,			
				Status	
	Serial No.	Filing Date	Patented Pending	Abandoned	
			,		
		POWE	ER OF ATTORNEY		
		wing attorneys and/or ag	ents to prosecute this ap	plication and trans	act all business in the
	Donald V	Verplancken	Degistration :	No. 33.217	
		Sgarbossa	Registration Registration Registration		•
		e Edelman	Registration 1		
		d Kam-On Kwong	Registration 1		
	James C		Registration 1		
		B. Einschlag	Registration 1	No. 29,301	
	Robert V	V. Mulcahy	Registration 1	No. 25,436	

6537/CMI/TICL/LE

Walter Benjamin Glenn Registration No. 44,713 Joseph Bach Registration No. 37,771 B. Todd Patterson Registration No. 37,906 Raymond R. Moser, Jr. Registration No. 34,682 Keith M. Tackett Registration No. 32,008 Joseph Pagnotta Registration No. 39,322. Direct telephone calls to: Send correspondence to: Patent Counsel ... B. Todd Patterson ... APPLIED MATERIALS, INC. MOSER, PATTERSON & SHERIDAN, L.L.P. P. O. Box 450-A Telephone No. (713) 623-4844 Santa Clara, CA 95052 DECLARATION I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon. Full name of sole or first inventor: MARK M. HYTROS Inventor's signature: Date: 592 Mill Creek Lane Santa Clara, CA 95051 Post Office Address: Same as above Country of Citizenship: U.S.A. Full name of second inventor: TRUC T. TRAN Date: 4/29/07 Inventor's signature:

Same as above

Fremont, CA 94539

Same as above

19384 Titus Court

Saratoga, CA 95050

Full name of third inventor: HONGBEE TEOH

Residence:

Residence:

Post Office Address:

Inventor's signature:

Post Office Address:

Residence:

Date:

Country of Citizenship: U.S.A.

PATENT 6537/CMI/TICL/LE

Inventor's signature: Residence:	1594 Country Club Drive	Date:
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Post Office Address:	Same as above	Country of Citizenship: U.S.A.
Full name of fifth inver	ntor: AVGERINOS GELATOS	
Inventor's signature: Residence:	2651 Eaton Avenue Redwood City, CA 94062	Date:
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Full name of sixth inve	ntor: SALVATOR P. UMOTOY	
Inventor's signature: Residence:	2801 Wildflower Drive Antioch, CA 94509	Date:
Post Office Address:	Same as above	Country of Citizenship: U.S.A.

Full name of fourth inventor: LAWRENCE CHUNG-LAI LEI

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PRIORITY CLAIM (35 U.S.C. §119)

	[X]	No such a	pplications have been f	iled.					
	[]	Such appl	cations have been filed	l as follows:					
A.			application(s) filed vs under 35 U.S.C. §11		(6 mos. for d	esign) pri	or to this	applicatio	n, and
	Coun	try/PCT	Application No	<u>Da</u>	te Filed]	Priority Cla	<u>iimed</u>	
			() () () () () () () () () ()	. ·	*	ĺ] Yes [] Yes [] Yes [] No	ē .
В.		eign applica	tion(s), if any, filed m	ore than 12 m	os. (6 mos for	design) p	rior to this	e de la companya de l	
	Countr Applic Filing	ation No:							
C.	U.S. P	rovisional A	pplication filed within	12 months p	rior to this app	plication	· Long Time State	Varior of	
			Serial No.		Filing Da	ate .			
			PRIORITY	CLAIM (35)	U.S.C. §120)				
PCT in subject manner disclos substan applica	ternation matter of provide inform tial like tion to is	al application of each of the deach of the d	inder Title 35, United in(s) designating the United ine claims of this application of Title 3 material to the examina reasonable Examine ent) which occurred bate of this application.	nited States of ication is not 35, United Station of this would consider	America that is disclosed in the tes Code, Sector application (der it importants)	is/are listed that/those tion 112, if the first in decide the first the first term in the first term i	d below an prior appli acknowle nformation ling wheth	d, insofar cation(s) dge the d where the to allo	as the in the uty to ere is w the
	[X] []	-	oplications have been fi cation have been filed,						
	Serial 1	<u>No</u> . <u>F</u>	iling Date	Patented Per	. Stati	us Abandone	e <u>d</u>	_	
			POWI	ER OF ATTO	RNEY				
I hereb	y appoin and Trade	t the followi emark Office	ng attorneys and/or ag connected therewith:	ents to prosect	ute this applica	ation and t	ransact all	business	in the
		Donald Ve Peter J. Sg Lawrence : Raymond I James C. V Michael B. Robert W.	arbossa Edelman Kam-On Kwong Vilson Einschlag	Re Re Re Re Re	gistration No. 2 gistration No. 2 gistration No. 3 gistration No. 3 gistration No. 2 gistration No. 2	25,610 25,226 37,165 35,412 29,301			

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Send correspondence to:

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Patent Counsel APPLIED MATERIALS, INC. B. Todd Patterson

P. O. Box 450-A

MOSER, PATTERSON & SHERIDAN, L.L.P

Full name of sole or first inventor: MARK M. HYTROS

Telephone No. (713) 623-4844

Santa Clara, CA 95052

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Country of Citizenship: U.S.A.

Inventor's signature: Residence: 1594 Country Club Drive Milipitas, CA 95035 Post Office Address: Same as above Country of Citizenship: U.S.A. Full name of fifth inventor: AVGERINOS GELATOS Inventor's signature: 2651 Eaton Avenue Residence: Redwood City, CA 94062 Post Office Address: Same as above Country of Citizenship: U.S.A. Full name of sixth inventor: SALVATOR P. UMOTOY Inventor's signature: Date: Residence: 2801 Wildflower Drive Antioch, CA 94509

Full name of fourth inventor: LAWRENCE CHUNG-LAI LEI

Same as above

Post Office Address:

ATTORNEY

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Α.		application(s) filed wit s under 35 U.S.C. §119	esign) prior to	this application, a	nd	
2	Country/PCT	Application No	Date Filed	Priorit	y Claimed	
.•*	•		*	[] Y	es [] No es [] No es [] No	
В.	U.S. application Country: Application No: Filing date:	and a first constitution of	e than 12 mos. (6 mos for control of the control of		o this	
	U.S. Provisional A	Serial No.	Filing Da			•
PCT in subject manner disclos substar applica	ternational application matter of each of the provided by the firm e information that is atial likelihood that ation to issue as a path international filing distance.	ander Title 35, United St n(s) designating the Unit he claims of this applic st paragraph of Title 35 material to the examina a reasonable Examiner ve ent) which occurred bet ate of this application.	cates Code, Section 120, of the States of America that if ation is not disclosed in the United States Code, Sectiation of this application (would consider it important ween the filing date of the	s/are listed belo hat/those prior ion 112, I ackr namely, inform nt in deciding v	ow and, insofar as t application(s) in t nowledge the duty ation where there whether to allow t	he he to is he
		oplications have been file cation have been filed, as				
	<u>Serial No</u> . <u>F</u>	iling Date	Patented Pending State	us <u>Abandoned</u>		
		POWER	R OF ATTORNEY			
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	James C. V	arbossa Edelman Kam-On Kwong Vilson . Einschlag	Registration No. 2 Registration No. 2 Registration No. 3 Registration No. 3 Registration No. 2 Registration No. 2	25,610 25,226 37,165 35,412 29,301		

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Full name of fourth inv	ventor: LAWRENCE CHUNG-LAI LEI	•
Inventor's signature: Residence:	1594 Country Club Drive Milipitas, CA 95035	Date: 4/26/02
Post Office Address:	Same as above	Country of Citizenship: U.S.A.
Full name of fifth inver	ntor: AVGERINOS GELATOS	
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A.		Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to any priority claims under 35 U.S.C. §119						
	Country/PCT	Application No	Date Filed	Prior	rity Claimed			
				f 1 .	Yes [] No			
		11 g - 41	·· • 84	, į į	Yes [] No Yes [] No			
В.	All foreign appl	ication(s), if any, filed n	iore than 12 mos. (6 m	os for design) prior	to this			
	U.S. application			<u></u>				
	Country: Application No:							
	Filing date:				, ,			
C.	U.S. Provisional	Application filed withi	n 12 months prior to tl	his application				
					,			
		Serial No.	<u>Fil</u>	ling Date				
	L							
		PRIORITY	CLAIM (35 U.S.C. §	120)				
subject manne disclo substa applic	et matter of each of each of er provided by the use information that antial likelihood that ation to issue as a particular to issue as a particula	tion(s) designating the Uf the claims of this app first paragraph of Title is material to the examinat a reasonable Examine patent) which occurred by date of this application.	lication is not disclose 35, United States Code innation of this applicar would consider it in	ed in that/those prione, Section 112, I aclustion (namely, informportant in deciding	r application(s) in the knowledge the duty to mation where there is whether to allow the			
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				Status				
	<u>Serial No</u> .	Filing Date	Patented Pending	Abandoned				
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I here Patent	by appoint the follo	wing attorneys and/or agice connected therewith:	gents to prosecute this a	application and trans	act all business in the			
	Donald	Verplancken	Registration	n No. 33,217				
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	Registration No. 37,906
	 Registration No. 34,682
	Registration No. 32,008
•	Registration No. 39,322

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Direct telephone calls to:

Patent Counsel

B. Todd Patterson

APPLIED MATERIALS, INC.

MOSER, PATTERSON & SHERIDAN, L.L.

P. O. Box 450-A

Telephone No. (713) 623-4844

Santa Clara, CA 95052

Full name of sole or first inventor: MARK M. HYTROS .

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Inventor's signature: 592 Mill Creek Lane Residence: Santa Clara, CA 95051 Post Office Address: Same as above Country of Citizenship: U.S.A. Full name of second inventor: TRUC T. TRAN Inventor's signature: Residence: 45354 Rutherford Terrace Fremont, CA 94539 Post Office Address: Same as above Country of Citizenship: U.S.A. Full name of third inventor: HONGBEE TEOH Inventor's signature: Residence: 19384 Titus Court Saratoga, CA 95050 Post Office Address: Same as above Country of Citizenship: Malaysia

Country of Citizenship: U.S.A

Inventor's signature: Residence: 1594 Country Club Drive Milipitas, CA 95035 Post Office Address: Same as above Country of Citizenship: U.S.A. Full name of fifth inventor: AVGERINOS GELATOS Inventor's signature: Residence: Redwood City, CA 94062 Post Office Address: Same as above Country of Citizenship: U.S.A. Full name of sixth inventor: SALVATOR P. ÚMOTOY Inventor's signature: 2801 Wildflower Drive. Residence: Antioch, CA 94509

Full name of fourth inventor: LAWRENCE CHUNG-LAI LEI

Same as above

Post Office Address:

COMBINED DECLARATION AND POWER OF AT

As a below named inventor, I hereby declare that:

This declaration is of the following type:

[X] original
[] divisional
[] continuation
[] continuation-in-part



INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

SHOWERHEAD ASSEMBLY FOR A PROCESSING CHAMBER

The specification of which:

]	filed herewith;		e de la companya de
X]	was filed on January 15, 2002	, under Serial No. 10/047,076, execute	d on even date herewith; or
]	Express Mail No.	(Serial No. not yet known)	
	and was amended on	(if applicable)	
]	was described and claimed in	PCT International Application No.	filed on
	and as ame	ended under PCT Article 19 on	

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

[*i] In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

	[X]	No such a	pplications have	been filed.					
,	[]	Such appl	ications have bee	en filed as follo	ows:				
A.			application(s) s under 35 U.S.		2 mos. (6 mos	s. for d	esign) p	rior to	this application, and
	Coun	try/PCT	Application N	<u>Io</u>	Date Filed	<u>i</u> .	•	Prior	ity Claimed
									(es [] No (es [] No (es [] No
•	•	Ŷ					. ,	[-]]	es [] No
В.		eign applica oplication	tion(s), if any, f	iled more tha	n 12 mos. (6 r	mos for	design)	prior	to this
	Country Applica Filing o	ation No:							e e e e e e e e e e e e e e e e e e e
C.	U.S. Pr	rovisional A	pplication filed	within 12 mo	nths prior to	this app	olication	1	
			Serial No	<u>).</u>	<u> </u>	iling Da	<u>ite</u>		
			PRIC	RITY CLAI	M (35 U.S.C.	§120)			9
PCT int subject manner disclose substan applicat	ternation matter of provide informatial likelation to is	al application of the court of	n(s) designating the claims of this st paragraph of material to the reasonable Ex	the United States application Title 35, United examination aminer would arred between	ates of Americ is not disclosed States Coc of this applic consider it in	ca that i sed in t de, Sect cation (mportar	s/are lis hat/thos ion 112 namely, it in de	ted bel e prion , I ack inforn ciding	tates application(s) or ow and, insofar as the application(s) in the nowledge the duty to nation where there is whether to allow the on(s) and the national
	[X] []		oplications have cation have been		ws:				•
	Serial N	<u> Vo</u> . <u>F</u>	iling Date	Pater	nted Pending	Stati	us Abando	oned	
				POWER OF A	ATTORNEY				
I hereby Patent a	y appoint and Trade	t the followi emark Office	ng attorneys and connected there	d/or agents to with:	prosecute this	applica	ition and	d trans	act all business in the
		Donald Ve Peter J. Sg Lawrence ! Raymond ! James C. V Michael B. Robert W.	arbossa Edelman Kam-On Kwong Vilson Einschlag		Registratio Registratio Registratio Registratio Registratio Registratio Registratio	on No. 2 on No. 2 on No. 3 on No. 3 on No. 2	25,610 25,226 37,165 35,412 29,301		

PATENT 6537/CML/TICL/LE

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Full name of sole or fir	st inventor: MARK M. HYTROS	
Inventor's signature:		Date:
Residence:	592 Mill Creek Lane Santa Clara, CA 95051	
Post Office Address:	Same as above	Country of Citizenship: U.S.A.
Full name of second in	ventor: TRUC T. TRAN	
Inventor's signature: Residence:	45354 Rutherford Terrace Fremont, CA 94539	Date:
Post Office Address:	Same as above	Country of Citizenship: U.S.A.
Full name of third inve	ntor: HONGBEE TEOH	
Inventor's signature: Residence:	19384 Titus Court Saratoga, CA 95050	Date:
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Country of Citizenship: U.S.A.

Full name of fourth inventor: LAWRENCE CHUNG-LAI LEI

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Inventor's signature:		Date:
Residence:	1594 Country Club Drive Milipitas, CA 95035	
Post Office Address:	Same as above	Country of Citizenship: U.S.A.
Full name of fifth inver	itor: AVGERINOS GELATOS	e e e e e e e e e e e e e e e e e e e
Inventor's signature: Residence:	2651 Eaton Avenue Redwood City, CA 94062	Date:
Post Office Address:	Same as above	Country of Citizenship: U.S.A.
Full name of sixth inve	ntor: SALVATOR P. UMOTOY SALVADOR	
Inventor's signature: Residence:	2801 Wildflower Drive	Date: 4/85/02